International Application No PCT/GB2004/004058

A. CLASSI IPC 7	C12N15/82 C07K14/415		
	International Patent Classification (IPC) or to both national classification	ation and IPC	
Minimum do	SEARCHED  ocumentation searched (classification system followed by classification)	on symbols)	
IPC 7	C12N		
4-14	the state of the extent that s	the designation and included in the fields set	had
Documentar	tion searched other than minimum documentation to the extent that s	UCh documents are included in the noise sec	arcneo
Electronic da	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)	
	ternal, BIOSIS, MEDLINE, EMBASE, Sec		
_	·		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the refe	evant passages	Relevant to claim No.
Р,Х	JONES L. ET AL: "A role for expansion	ansins in	1-22
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ע מ	23 October 2003 (2003-10-23) claim 12		4,6,7
Ρ,Υ			7,0,
		-/	
X Furth	her documents are listed in the continuation of box C.	Patent family members are listed in	annex.
	tegories of cited documents:	"T" later document published after the interest	rollogal filing date
"A" docume	ent defining the general state of the art which is not	or priority date and not in conflict with the cited to understand the principle or the	he application but
consid E" earlier o	lered to be of particular relevance document but published on or after the international	invention "X" document of particular relevance; the cla	aimed invention
filing d	ate Int which may throw doubts on priority claim(s) or is cited to establish the publication date of another	cannot be considered novel or cannot linvolve an inventive step when the doc	be considered to cument is taken alone
citation	n or other special reason (as specified)  ent referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cla cannot be considered to involve an invo document is combined with one or mor	entive step when the re other such docu-
other n	means ent published prior to the international filing date but	ments, such combination being obvious in the art.	s to a person skilled
later th	nan the priority date claimed	"&" document member of the same patent fa	-
Date of the d	actual completion of the international search		•
1	9 January 2005	0 9. 05. 200	15
Name and n	nailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Dladian C	
	Fax: (+31-70) 340-3016	Bladier, C	

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· · · · · ·	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Paisvailt to Cidiit 140.
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Υ	claims 11-13,25,26,29-31; example 4;	4,6,7
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Υ	claims 1-11; example 1	4,6,7
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Υ	LEE Y.I. ET AL: "Expansins:	4,6,7, 15-20
	Ever-expanding numbers and functions"	15-20
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Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  Category* Cisation of document, with indication, where appropriate, of the relevant parsages  A WU Y. ET AL.: "Growth maintenance of the maize primary root at low water potentials involves increases in cell-wall extension properties, expansion activity, and wall susceptibility to expansions." PLANT PHYSIOLOGY (ROCKVILLE). vol. 111, no. 3, 1996, pages 765-772, XP002313632 ISSN: 0032-0889 cited in the application the whole document		A ALMENTO CALICIPATA TO DE DEL EVANT	
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maize primary root at low water potentials involves increases in cell-wall extension properties, expansion activity, and wall susceptibility to expansions" PLANT PHYSIOLOGY (ROCKVILLE), vol. 111, no. 3, 1996, pages 765-772, XP002313632 ISSN: 0032-0889 cited in the application	Category °	Citation of document, with indication, where appropriate, of the relevant passages	relevant to claim No.
		WU Y. ET AL.: "Growth maintenance of the maize primary root at low water potentials involves increases in cell-wall extension properties, expansion activity, and wall susceptibility to expansions" PLANT PHYSIOLOGY (ROCKVILLE), vol. 111, no. 3, 1996, pages 765-772, XP002313632 ISSN: 0032-0889 cited in the application	

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-22 (partial)
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-22 (partial)

Subject-matter relating to nucleic acid of SEQ ID  $N^{\circ}1$  encoding CplExp1 expansin of SEQ ID  $N^{\circ}2$  and uses thereof.

2. claims: 1-22 (partial)

Subject-matter relating to nucleic acid of SEQ ID  $N^{\circ}3$  encoding CplExp2 expansin of SEQ ID  $N^{\circ}4$  and uses thereof.

3. claims: 1-22 (partial)

Subject-matter relating to nucleic acid of SEQ ID N°5 encoding CplExp 3 expansin of SEQ ID N°6 and uses thereof.

Information on patent family members

International Application No
PCT/GB2004/004058

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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